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OCT 13 2004

Attorney Docket No.: 00109

PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nippon Shokubai Co., Ltd.  
S.N.: 10/040,671  
Filed: January 6, 2002  
For: Fixed-bed shell-and-tube reactor and its usage  
Examiner: DOROSHENK, Alexa A.  
Art Unit: 1764

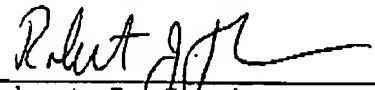
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## Certificate of Facsimile Transmission

I hereby certify that the following documents are being facsimile transmitted to the United States Patent and Trademark Office on October 13, 2004 to 1-703-872-9310 totaling 50 pages by applicant's attorney, Robert J. Jacobson:

1. This Certificate of Facsimile Transmission dated October 13, 2004 (one page);
2. Information Disclosure Statement dated October 13, 2004 (two pages);
3. PTO-1449 form (one sheet);
4. Communication from Chinese Patent Office dated August 13, 2004 (five pages);
5. CN1049368C (14 pages);
6. English Translation of CN1049368C (15 pages);
7. CN1003353B (five pages); and
8. English translation of CN1003353B (seven pages).

Respectfully submitted,

Date: 10-13-04  
\_\_\_\_\_  
Robert J. Jacobson  
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicant hereby submits the reference(s) listed on the attached Form(s) 1449 (or equivalent) such that said reference(s) may be considered and made of record. A copy of each of the cited reference(s) is enclosed. No representation is made that any of the listed reference(s) is prior art pursuant to 35 U.S.C. § 102 and/or 35 U.S.C. § 103.

This Information Disclosure Statement is being filed in accordance with the following provision(s):

37 CFR 1.97(b)(3) Before the mailing date of a first Office Action on the merits. No fee is required.

37 CFR 1.97(c) After (if applicable, such as where an Office Action and this IDS cross in the mail) the periods

(10924.DOC)

I hereby certify that this correspondence and the documents referred to as enclosed therein are being facsimile transmitted to the United States Patent and Trademark Office on October 13, 2004 to 1-703-872-9310 by applicant's attorney, Robert J. Jacobson.



Robert J. Jacobson, Reg. No. 32,419

(Information Disclosure Statement-page 1 of 2)

specified in 37 CFR 1.97(b), but before the mailing date of either: (1) a final action under § 1.113 or (2) a notice of allowance under § 1.311, whichever occurs first.

Accordingly:

The undersigned hereby certifies that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

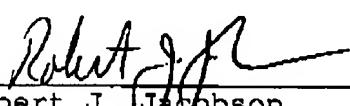
37 CFR 1.98(a)(3)(ii) A copy of the translation if a written English-language translation of a non-English-language document, or portion thereof, is within the possession, custody, or control of, or is readily available to any individual designated in § 1.56(c). The following references are being submitted under this provision with an English translation:

- b. CN1049368C
- c. CN1003353B

For the information of The Patent Office, please find further enclosed a copy of a Communication from the Chinese Patent Office dated August 13, 2004 for the corresponding Chinese patent application (document "a," five pages). The Communication cites the references listed on the PTO-1449.

Respectfully submitted,

Date: 10-13-04

  
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(Information Disclosure Statement-page 2 of 2)

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<p>Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.</p> <p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><b>Complete If Known</b></p>	
<p>Sheet</p>		<p>one</p>	<p>of</p>	<p>one</p>	<p>Application Number</p> <p>10/040,671</p>
					<p>Filing Date</p> <p>January 6, 2002</p>
					<p>First Named Inventor</p> <p>Michio TANIMOTO</p>
					<p>Art Unit</p> <p>1764</p>
					<p>Examiner Name</p> <p>DOROSHENK, Alexa A</p>
					<p>Attorney Docket Number</p> <p>00109</p>

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**Examiner  
Signature** \_\_\_\_\_ **Date  
Considered** \_\_\_\_\_

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.